

J

Country : USSR
Category: Soil Science. Tillage. Reclamation. Erosion.

Abs Jour: RZhBiol., No 18, 1958, No 82142

Author : Shevlyagin, A.I.; Istomina, R.F., Timin, A.M.

Inst : -

Title : The Question of Fertile Virgin Soil and Long-Lain Land.

Orig Pub: Vestn. s.-kh. nauki, 1956, No 1, 78-86

Abstract: It is reported that the high natural fertility of the earth in Drobyshevskiy Rayon of Omskaya Oblast' (great reserves of organic substances, excellent structure) is combined with a low biological activity of the soil. Sowings of wheat on this land suffered a lack of N in the first 1 or 2 years. The greatest crop harvest on these soils was successfully obtained

Card : 1/2

J-32

Country : USSR

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Category: Soil Science. Tillage. Reclamation. Erosion.

Abs Jour: RZhBiol., No 18, 1958, No 82142

only in the second or third year of their cultivation. An increased harvest of the virgin earth in the first year of its use depended on the decisive role played by the depth, the methods of plowing, and the length of time from plowing to the sowing of the cultures. The longer this period continued, the more favorable it was for an increased harvest of summer wheat. -- L.N. Kudryashova

Card : 2/2

TOLASOV, B.K.; TIMIN, A.M., kand sel'skokhozyaystvennykh nauk

Elimination of field impurities in an intensive farm
management. Zemledelie 26 no. 4:31-34 Ap '64. (MIRA 17:5)

1. Krasnoyarskiy nauchno-issledovatel'skiy institut sel'skogo
khozyaystva. 2. Predsedatel' kolkhoza "Krasnyy khleborob"
Ilanskogo proizvodstvennogo upravleniya, Krasnoyarskogo kraya
(for Tolasov).

TIMIN, A.M.

"The Role of a System of Soil Cultivation in the Struggle With Weeds in the Reclamation of New Lands";

dissertation for the degree of Candidate of Agricultural Sciences (awarded by the Timiryazev Agricultural Academy, 1962)

(Investiya Timiryazevskoy Sel'skokhozyaystvennoy Akademii, Moscow, No. 2, 1963, pp 232-236)

TIMIN, S.P.

Line systems are in reliable hands. Vest. sviazi 24 no.7:26-27
Jl '64. (MIRA 17:9)

1. Starshiy normirovshchik normativno-issledovatel'skoy gruppy
Direktsii radiotranslyatsionnoy seti Karel'skogo upravleniya
sviazi.

L 08256-67 FSS-2/EWT(1)

ACC NR: AP6030004

SOURCE CODE: UR/0256/66/000/008/0080/0080

AUTHOR: Timin, V. P. (Engineer; Lieutenant colonel) 17

ORG: none

TITLE: Arrangement for ammunition degreasing 4

SOURCE: Vestnik protivovozdushnoy oborony, no. 8, 1966, 80

TOPIC TAGS: ammunition, ammunition storage ~~ammunition storage~~

ABSTRACT: An arrangement for ammunition degreasing consists of an aircraft and a trailer. The ammunition is placed in screen-type containers on a trailer, which are held together by bolts and wing nuts. The trailer is secured 6 to 7 m behind the jet aircraft equipped with a type BK-1A or RD-45 engine (see Fig. 1). The engine is operated at

Card 1/2

L 08256-67

ACC NR: AP6030004

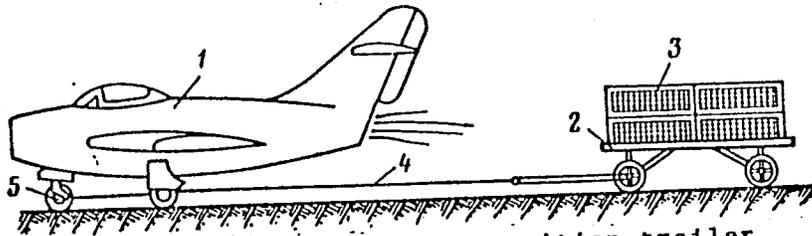


Fig. 1. Aircraft with ammunition trailer behind it

- 1 - Aircraft; 2 - trailer; 3 - containers;
- 4 - cable; 5 - pin.

8000 rpm for 15—20 min; during this time, one thousand units of ammunition are degreased. It takes 10 to 11 manhours to do this job manually. Orig. art. has: 2 figures.

SUB CODE: 19/ SUBM DATE: none

Card 2/2 *plw*

TIMINA, F.S., inzh.

Our assistance to inventors and innovators. Izobr. v BSSR 3 no.2:
43 F '58. (MIRA 11:3)

1. Uchenyy sekretar' nauchno-tekhnicheskogo otdela pishchevoy pro-
myshlennosti BSSR. (White Russia--Food industry)

TIMINOV, V., vneshtatnyy korrespondent

The right word is "pozharnyi" and not "pozharnik." Pozh.delo 9 no.12:
20 D '63. (MIRA 17:1)

KOSTENKO, A. (Volgograd); TIMINOV, V. (Volgograd)

Reservoir with a pumping pipe. Pozh.delo 9 no.8:25 Ag '63.
(MIRA 16:9)
(Petroleum industry—Fires and fire prevention) (Pumping machinery)

TIMINSKAYA, G.I.

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86. TREATMENT OF GLAUCOMA BY ORGANOPHOSPHORUS COMPOUNDS. G. I. Timinskaya	512
87. TOXICITY OF ORGANOPHOSPHORUS COMPOUNDS FOR ANIMALS WITH RADIATION SICKNESS. A. I. Soloviyev	515
88. ORGANOPHOSPHORUS COMPOUNDS AS ANTIRADIATION SICKNESS THERAPEUTIC AND PROPHYLACTIC AGENTS. N. A. Loshakov et al.	520
89. EFFECT OF ORGANOPHOSPHORUS ESTERS ON DERMATOPHYTES. I.D. Nekrasova and E.Sh. Mingusheva Khimiya i Prikladnaya Kosmicheskaya Soyedineniy (Chemistry and Application of Organophosphorus Compounds) A. Ye. Arbutov, Ed. publ. by Kazan' Affil, Acad. Sci. USSR, Moscow, 1962 632pp.	524

Collection of complete papers presented at the 1959 Kazan Conference on Chemistry of
Organophosphorus Compounds.

TIMINSKAYA, G.I.

Comparative effect of the phosphororganic compounds, phosphacol, armin, and compound No.11 on the pupil and intraocular pressure in experiments on rabbits. Zdrav. Belor. 5 no.4:22-26 Ap '59 (MIRA 12:7)

1. Kafedra farmakologii (zav. - K. S. Shadurskiy) Minskogo med-instituta Molodechnenskaya oblastnaya bol'nitsa (glavnyy vrach A.S. Romashko).

(PHOSPHORUS ORGANIC COMPOUNDS (EYE))

EXCERPTA MEDICA Sec.12 Vol.12/4 Ophthalmology April 58

677. THE USE OF PHOSPHACOL IN THE TREATMENT OF GLAUCOMA
(Russian text) - Timinskaya G.I. - ZDRAV. BELORUSSII 1956, 9
(35-38)

The action of phosphacol has been studied on 16 patients (19 eyes); 12 suffered from primary glaucoma, and 4 from secondary glaucoma. In 9 eyes a congestive form of glaucoma was observed and in 10 a simple form. In nearly all cases a 1% and a 6% pilocarpine solution and a pilocarpine ointment had been previously applied. This treatment proving unsuccessful phosphacol was instilled into the conjunctival sac 1-2 times in 24 hr. in dilutions of 1:10,000, 1:7000, 1:5000 and 1:3000; if no effect ensued, higher concentrations were used. The intraocular tension became normal only in 3 eyes; in 9 it remained at a high level (41-38 mm.). The 24-hour fluctuations increased in a number of cases by 4-5 mm. The elastotonometric curve became normal only in one patient. The visual acuity increased somewhat in 7 eyes, and the field of vision widened by 5-10° in 6 eyes. Eleven patients showed side-effects and the treatment with phosphacol had to be discontinued in a number of cases.

(S)

ТИМИНСКАЯ, Г. И.

USSR/Pharmacology. Pharmacognosy. Toxicology - Cholinergic Drug T-2

Abs Jour : Referat Zhur - Biologiya, No 16, 1957, 71653

Author : Timinskaya, G.I.

Inst :

Title : Phosphacole Application in Treatment of Glaucoma

Orig Pub : Zdravookhr. Belorussii, 1956, No 9, 35-38

Abstract : Phosphacol (0.01-0.03 percent solution I) was applied 1-2 times daily to 16 patients (19 eyes) with different stages of the disease, in which pilocarpine did not lower the ophtalmic tonus. The latter, came back to normal in 3 eyes in different stages of simple glaucoma, and in 9 it remained on a high level. The effectiveness of I depended on the severity of the disease. The daily fluctuations in the intraocular pressure after the application of I did not decrease, but on the contrary- increased. Elastotonometric curves remained pathological in most cases; only in 4 eyes did they show improvement. The

Card 1/2

- 10 -

USSR/Pharmacology. Pharmacognosy. Toxicology - Cholinergic Drug. T-2

Abs Jour : Referat Zhur - Biologiya, No 16, 1957, 71653

The increase in visual sharpness was parallel in most cases with the drop in pressure. The field of vision was slightly enlarged in 6 eyes. In 11 out of 16 patients severe side reactions were noted, so that the medication had to be changed (lack of sleep, palpitations, pain in the eye-balls, radiating to the surroundings). Simultaneously with local application, general treatment was given: bromides, vitamins etc., were administered.

Card 2/2

- 11 -

TIMINSKIY, V.N., inzh.; ORESHKIN, V.L.

Supporting development workings in Lvov-Volyn' Basin mines.
Sbor.DonUGI no.26:107-118 '62. (MIRA 16:6)
(Lvov-Volyn' Basin--Mine timbering)

TIMINSKIY, V.N., inzh.

Supporting development workings in mining individual seams
in Lvov-Volyn' Basin mines. Sbor. Don UGI no.29:124-130 '63.
(MIRA 16:10)

(Lvov-Volyn' Basin--Mine timbering)

TIMINSKIY, V.S.

Mechanizing the manufacture of radio cabinets. Der.prom. 8
no.1:24 Ja '59. (MIRA 12:1)

(Radio--Apparatus and supplies)

ОБЪЕКТ : СССР
ОПРЕДЕЛЕНИЕ : Soil Science. Tillage. Improvement. Erosion.
ИСС. РАБОТ. : "ZhBiol., No. 3 1959, No. 10798
АВТОР : Timirbuev, I., Galiblin, K.
ИЗДАНИЕ :
ТЕМА : Experiment in Soil Tillage by T. S. Mal'tsev.

ИЗДАНИЕ : S. Kh. Bashkirii, 1958, No. 1, 13-14

АННОТАЦИЯ : Soil tillage by T. S. Mal'tsev method in Kaitorinskii rayon of Bashkir autonomous SSR for winter rye secured an increase in the yield on an average of 3.3 centners from 1 hectare in comparison with the usual tillage. Experiments were conducted in 1956-1957, under production conditions on an area of about 100 hectares.

стр: 1/1

COUNTRY : J
CATEGORY :
ABS. JOUR. : RZhBiol., No. 1959, No. 16710
AUTHOR :
D ST. :
TITLE :
ORIG. PUB. :
ABSTRACT : the slower, the more the soil moisture content approached the maximum capillary moisture capacity. Shallow plowing of soils is recommended for the regulation of their water status and surface run-off. Experiments were conducted in Czechoslovakia. -- P. V. Shranko

CASB: 2/2

TIMIRBAYEV, M.

Increase the control through the ruble. Fin. SSSR. 22 no. 2:79-
83 P '61. (MIRA 14:2)

1. Nachal'nik otdela Ministerstva finansov Kazakhskoy SSR.
(Kazakhstan—Finance)

82860

S/112/60/000/008/009/012

9.1200

Translation from: Referativnyy zhurnal. Elektrotehnika, 1960, No. 8, p. 408,
6.7136

AUTHOR: Timirev, N.P.

TITLE: Parameters and Characteristics of Conical Corkscrew Beam Antennas
With Constant Pitch Angle

PERIODICAL: Tr. Leningr. elektrotekh. in-ta svyazi, 1958, No. 3, (36),
pp. 111 - 136

TEXT: The author determines the variable parameters of the conical spiral and derives expressions connecting them with the independent constant parameters. The investigations carried out, made it possible to establish the effect of its constant parameters on the period of overlap coefficient (koeffitsiyent perekrytiya) of the beam condition and develop recommendations for their selection.

B.V.I.

Translator's note: This is the full translation of the original Russian abstract.

Card 1/1

AUTHOR: Timirev, N.P.

108-13 6 2/11

TITLE: A Conical Spiral Antenna With a Constant Angle of Inclination
(Konicheskaya spiral'naya antenna s postoyannym shagovym uglom)

PERIODICAL: Radiotekhnika, 1958, Vol 13, Nr 6, pp 18-28 (USSR)

ABSTRACT: The formulae for the components of the radiation field are determined. This is done by basing upon the assumption that at the spiral windings, which operate under illumination, a current traveling wave with constant amplitude and phase velocity, which varies along the windings, exists. Here the case in which the conical spiral parameter is very small, which case is the most important in practice, is investigated. The latter circumstance makes it possible to determine the amount of the retardation of the current wave and to give an analysis of the formulae obtained for the components of the radiation field. The formulae obtained offer the possibility approximately to determine the directivity diagram of the conical spiral antenna with constant angle of inclination. The theoretical investigation carried out shows that in the case of low values of the conical parameter the "beam" windings of the conical spiral antenna can be replaced from the

Card 1/2

A Conical Spiral Antenna With a Constant Angle
of Inclination

108-13-6-2/11

point of view of radiation by a certain equivalent cylindrical spiral with the same number of windings with constant parameters. This makes it possible to simplify the calculation of the directivity diagram of a conical spiral beam antenna considerably. The investigation further showed that the polarization of radiation in the direction of the spiral axis can, in principle, not be circular. Professor I.G.Klyatskin advised the author and revised the manuscript. There are 5 figures, and 3 references, 3 of which are Soviet.

SUBMITTED: June 24, 1957

1. Antennas---Design
2. Antennas---Performance

Card 2/2

4352258 EWT(1)/EEC-4/EEC(t)/W/FCS(k) Pac-4/P1-4/Pj-4/P1-4 WR

AUTHOR: Timulev, N. P. Fedorenko, A. I.

parameters

SOURCE: Radiotekhnika i elektronika, vol. 10, no. 4, 1965, pp. 740-743

TOPIC TAGS: helical antenna, asymmetrical wave

ABSTRACT: The case of a ⁵⁰symmetrical wave for propagation was considered by C. I. Timulev and A. I. Fedorenko. The authors show that the radiation pattern of a helical antenna is determined by the parameters of the wave.

Orig. art. has: 1 figure and 2 tables

ASSOCIATION: none

SUBMITTED: 11 May 64

ENCL: 00

SUB CODE: EC

NO REF SOV: 003

OTHER: 001

ML
Card 1/1

TIMIREV, N.P.

Conical helix antenna with a constant pitch angle. Radiotekhnika 13
no.6:18-28 Ja '58. (MIRA 11:6)
(Radio--Antennas)

BIRYUKOV, Yu.; BIZUK; NOVIKOV, D.; KEVORKYANTS, A. (Moskva);
TIMIROV, G. (Berezniki)

Good people. Pozh.delo 7 no.9:18 S '61. (MIRA 14:11)

1. Pozharnyy ~~otryad~~ chasti, g. Penza (for Biryukov). 2. Nachal'nik
gorodskoy pozharnoy okhrany, g. Shuya (for Bizuk). 3. Komandir
otdeleniya pozharnoy okhrany, Stalingrad (for Novikov).
(Firemen)

SMORODINTSEV, A.A.; SHIKINA, Ye.S.; KOZELETSKAYA, M.N.; TIMIROVA, L.A.;
BELOV, G.S.

Results of commercial preparation of a live antimumps vaccine.
Trudy Len. inst. epid. i mikrobiol. 16:116-122 '58. (MIRA 16:8)

1. Iz virusologicheskoy laboratorii (zav. - chlen-korrespondent
AMN SSSR prof. A.A. Smorodintsev) Instituta epidemiologii,
mikrobiologii i gigiyeny imeni Pastera i laboratorii gripa
(zav. - Yu. K. Petrov) Leningradskogo instituta vaktsin i
syvorotok.

(MUMPS—PREVENTIVE INOCULATION)

*

TIMIROVA, R.V.

Some results of full-scale studies of the Sarykurgan Hydroelectric
Power Station on the Sokh River during 1961. Vop. gidr. no.11:34-
39 '63. (MIRA 17:6)

TIMIROVA, R.V.

Combined water intake system of the Fergana type with a bottom
rack. Vop. gidr. no.3:12-19 '61. (MIRA 15:4)
(Water-supply engineering)

TIMIROVA, R.V.

Development of the Fergana system of water intake for the improvement of the prevention of bottom depositions. Izv. AN Uz. SSR. Ser. tekhn. nauk 9 no. 6:30-35 '65 (MIRA 19:1)

1. Sredneaziatskiy nauchno-issledovatel'skiy institut vodnykh problem i gidrotekhniki. Submitted March 23, 1965.

(1873-1740) K-11-10-10-10
TIMIRYAZEV, Klementiy Arkad'yevich; KURSANOV, A.L., akademik, otv.
red.; ISAYEV, V.A., red. izd-va; VOLKOVA, V.G., tekhn. red.

[The life of the plant; ten popular lectures] Zhizn' raste-
niia; desiat' obshchedostupnykh lektsii. Moskva, Izd-vo
Akad. nauk SSSR, 1962. 289 p. (MIRA 15:3)
(Plant physiology)

RUMANIA/Nuclear Physics - Installation and Instruments -
Methods of Measurement and Research

C

Abs Jour : Ref Zhur Fizika, No 4, 1960, 7859

Author : Totia, H., Timis, P., Lazarovici, C.

Inst : -

Title : Time of Flight Neutron Spectrometer

Orig Pub : Studii si cercetari. fiz., 1959, 10, No 1, 89-98

Abstract : Description of the construction and of the principal parameters of a 64--channel time pulse analyzer, intended for operation with a neutron spectrometer. The analyzer makes it possible to make qualitative measurements in a neutron time of flight of 2 -- 10 160 microseconds (without a delay line) and in the interval 32 -- 80 microseconds (with an additional delay line). Block diagrams of the neutron spectrometer and the principal diagrams of the time pulse analyzer circuit are given.

Card 1/1

TIMIS, P.

Distr: 4E2a(c)/4E2b(v)/4E3c 2 cys/4E3d

~~Spectrum of thermal neutrons from the experimental reactor at the Atomic Physics Institute of the Academy of the Romanian People's Republic. H. Teutsch, S. Apostolescu, and P. Timis. Acad. rep. populare Romine, Inst. fiz. atomica si Inst. fiz., Studii cercetari fis. 10, 465-72(1959).—~~
 The spectrum of thermal neutrons in a horizontal channel of the 2000-kw. VVR-S reactor was detd. by means of a time-of-flight spectrometer. The energy distribution of the neutrons was approx. Maxwellian and corresponded to a neutron temp. of $300 \pm 17^\circ\text{K}$. The temp. of the moderator during the expts. was 207°K . The most probable neutron velocity was 2636 m./sec., corresponding to an energy of 0.0336 e.v. S. A. Ste...

6
5

OR

OR

S/058/62/000/010/024/093
A061/A101

AUTHORS: Teutsch, H., Mateescu, N., Pirlogea, P., Rădulescu, C., Timiș, P.,
Vasiliu, V.

TITLE: Characteristics of the curved slit neutron beam chopper at the
Institut atomnuy fiziki (Atomic Physics Institute) (Bucarest)

PERIODICAL: Referativnyy zhurnal, Fizika, no. 10, 1962, 14, abstract 10B103
("Studii și cercetări fiz. Acad. RPR", 1961, v. 12, no. 3, 667 -
674, Rumanian; summaries in Russian and French)

TEXT: The design of a mechanical neutron beam chopper is described. The
principal chopper characteristics (transmission function and relative determina-
tion error of transit time $\Delta t/t$) are given.

[Abstracter's note: Complete translation]

Card 1/1

TEUTSCH, H.; MATEESCU, N.; TIMIS, P.

Determining full effective section of lead in the region of cold neutrons. Studii cerc fiz 13 no.3:477-478 '62.

1. Institutul de fizica atomica, Bucuresti.

L 62277-65

ALLOCATION No: AMX 4500

CLASSIFICATION: UNCLASSIFIED

GROUP: R-1 (201) (1980) (1980) (1980) (1980) (1980)

AUTHOR: Pimishchenko, M. J.

TITLE: Investigation of a diode aperiodic limiter

CITED SOURCE: Tr. Uchebn. in-tey svyazi. M.-v. svyazi SSSR. v. 20. 1964, 99-111

TOPIC TAGS: diode limiter, aperiodic limiter

TRANSLATION: A diode aperiodic limiter is investigated which depends for its action on an abrupt spunting of the anode current of the diode.

The limiting action of the diode is investigated in the case of aperiodic signals. It is shown that the limiting action of the diode is determined by the ratio of the anode current to the critical current of the diode.

SUB CODE: EC

ENCL: 00

Card 1/1

TIMISHCHENKO, M.G., starshiy inzh.

Wide-band amplitude limiter. Avtom., telemekhanika svyazi: 5 no.7:40-42
JI '61. (MIRA 14:10)

1. Nauchno-issledovatel'skiy otdel Moskovskogo elektrotekhnicheskogo
instituta svyazi.

(Radio circuits)

S/106/61/000/012/003/010
A055/A1279,3280 (1147,1159)
AUTHORS: Timishchenko, M. G., Balanov, A. T.

TITLE: Analysis of a wide-band limiter

PERIODICAL: Elektrosvyaz', no. 12, 1961, 19 - 28

TEXT: This article is a theoretical analysis of a wide-band limiter with "ideal" diodes whose internal resistance in the conductance direction is equal to zero. Fig. 1 shows the circuit of the limiter. The LC_k circuit (anode load of the tube), shunted by R_{sh} , contains two crystal diodes. If the oscillating voltage exceeds the retarding voltage E_{ret} , the diode current begins to flow and prevents a further increase of the circuit voltage, which is the underlying operation principle of the examined limiter. Fig. 2 is the equivalent circuit of the limiter. The tube is represented here by the generator of current $i_k = I_k \sin \omega t$, where $I_k = SV_{inp}$. The initial conditions correspond to the voltages $-E_{ret}$ and E_{ret} across C, and to the currents I_{01} and I_{02} in L at the moments $t_1 = -\psi_1/\omega$ and $t_2 = \psi_2/\omega$ respectively. At these moments, one of the diodes is being either unblocked ($\omega t = \psi_2$) or blocked ($\omega t = -\psi_1$ or $\omega t = \pi - \psi_1$). The internal resistance of the diodes in the conductance direction can be neglected and considered as equal

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Analysis of a wide-band limiter

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S/106/61/000/012/003/010
A055/A127

to zero. The authors examine separately: a) that part of the period when both diodes are blocked: $-\psi_2 < \omega t < \psi_2$; b) that part of the period when one of the diodes is unblocked: $\psi_2 < \omega t < \pi - \psi_1$. The initial equations (in operator form) for part a) of the period are:

$$\left. \begin{aligned} U_{C1}(p) &= \frac{I_{C1}(p)}{pC} + \frac{E_{ret}}{p} \\ U_{L1}(p) &= pLI_{L1}(p) - LI_{O1} \\ U_{R1}(p) &= RI_{R1}(p), \end{aligned} \right\} (1)$$

$$\frac{I_k}{\omega^2 + p^2} (\omega \cos \psi_1 - p \sin \psi_1) = I_{C1}(p) + I_{L1}(p) + I_{R1}(p)$$

where $I_{C1}(p)$, $I_{L1}(p)$ and $I_{R1}(p)$ represent the currents in the C, L and R arms respectively. Solving (1), the authors find first the current $I_{R1}(p)$ in operator form, and then, using the Laplace inverse transformation method, they obtain the expression for the current $i_{R1}(t)$. This expression is:

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S/106/61/000/012/003/010
A055/A127

Analysis of a wide-band limiter

$$i_{R1}(t) = \frac{I_{K0} y d}{Z_{\omega}} \cos(\omega t - \psi_{\omega}) - e^{-\gamma t} \frac{Q}{\omega_p} \left\{ I_{K0} d \left[\frac{Z_{\omega} y}{Z_{\omega}} \sin(\theta - \varphi_{\omega} - \varphi_p + \varphi_0) - \sin \vartheta_1 \sin \psi_1 \right] + \frac{E_{rat}}{R} \sin(\theta + \varphi_{\omega}) \right\}, \quad (4)$$

where:

$$y = \frac{\omega_0}{\omega}; \quad \omega_0 = \frac{1}{\sqrt{LC}}; \quad d = \frac{1}{\omega_0 CR}$$

$$\omega_p = \omega \sqrt{1 - \frac{d^2}{4}}; \quad \theta = \frac{\omega_p}{\omega} (\omega t + \psi_1); \quad \gamma = \frac{y d}{2} (\omega t + \psi_1)$$

$$Z_{\omega} = \sqrt{(y^2 - 1)^2 + y^2 d^2}$$

$$Z_{\psi} = \sqrt{\cos^2 \psi_1 + y d \sin \psi_1 \cos \psi_1 + y^2 \sin^2 \psi_1} \quad (5)$$

$$\varphi_{\omega} = \text{arctg} \frac{y d}{y^2 - 1}; \quad \varphi_p = \text{arctg} 2RC \omega_p$$

$$\varphi_{\psi} = \text{arctg} \frac{\frac{\omega_p}{\omega} \sin \psi_1}{\cos \psi_1 + \frac{y d}{2} \sin \psi_1}; \quad \varphi_0 = \text{arctg} \frac{y d \frac{\omega_p}{\omega}}{1 - y^2 + \frac{y^2 d^2}{2}}$$

Card 3/5

31199

S/106/61/000/012/003/010
A055/A127

Analysis of a wide-band limiter

Having thus determined $i_{R1}(t)$, the authors obtain analogous expressions for the currents $i_{C1}(t)$ and $i_{L1}(t)$, and also for the voltage $U_{R1}(t)$ at the output of the limiter. For part b) of the period:

$$\frac{U_{R2}(t)}{E_{ret}} = 1 \tag{14}$$

and

$$i_{L2}(t) = I_k \sin \psi_1 - \frac{E_{ret}}{R} + \frac{E_{ret} \gamma}{Rd} (\omega t - \pi + \psi_1). \tag{15}$$

The current in the capacitance arm of the circuit is here equal to zero. The obtained formulae show that the values of the currents and voltages in the limiter depend on its parameters R, L, C , on the relative detuning γ and on the cutoff angles ψ_1 and ψ_2 . Two equations permitting to calculate ψ_1 and ψ_2 are given by the authors, and a method is described for computing their sum $\psi_1 + \psi_2 = \theta$, the knowledge of β being necessary for the calculation of ψ_1 and ψ_2 . The authors conclude by giving a set of formulae permitting to calculate the amplitude and phase of the first harmonic of the limiter output voltage. They also reproduce a numerical example, i.e. the practical calculation of a wide-band limiter. There

Card 4/5

31199
S/106/61/000/012/003/010
A055/A127

Analysis of a wide-band limiter

are 8 figures, 5 Soviet-bloc references and 2 non-Soviet-bloc references. The following names of Soviet authors or scientists are mentioned in the article: Kontorovich, M. I., Gonorovskiy, I. S., Dech, G., Broyde, A. M., and Tarasov, F. I.

SUBMITTED: April 26, 1961

Fig. 1.

- Legend: 1 - U_{inp} 4 - D_2
 2 - R_{sh} 5 - E_{ret}
 3 - D_1 6 - U_{outp}

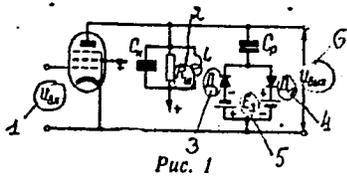
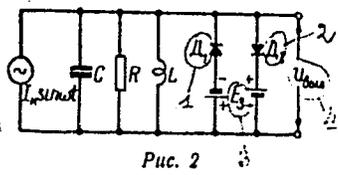


Fig. 2.

- Legend: 1 - D_1 3 - E_{ret}
 2 - D_2 4 - U_{outp}



4

Card 5/5

L 62272-65

ACCESSION NR: AR5004629

S/0274/64/000/011/BO43/BO43
621.374.34.621.375

B

SOURCE: Ref. zh. Radiotekhn. i elektrosvyaz'. Sv. t., Abs. 11B281

AUTHOR: Fimishchenko, M. G.

TITLE: Investigation of a diode aperiodic limiter

CITED SOURCE: Tr. Uchebn. in-tov svyazi. M-vo svyazi SSSR, vyp. 20, 1964, 99-111

TOPIC TAGS: diode limiter, aperiodic limiter

TRANSLATION: A diode aperiodic limiter is investigated which depends for its action on an abrupt shunting of the anode load of a broadband electron-tube amplifier, when the input signal exceeds a certain limit. The limiter behavior in the l-f and h-f bands is considered separately with respect to the influence of the parasitic and wiring capacitances. Equations are developed for the anode current, l-f angles and all currents and voltages in the limiter. An example of calculation is given. Bibliography: 6 titles.

SUB CODE: EC

ENCL: 00

Card 1/1

TIMISHCHENKO, M.G.

Investigation of a wide-band amplitude limiter with shunting diodes.
Elektrosviaz' 19 no.1:32-40 Ja '65.
(MIRA 18:4)

7
4-2-4E3C
The time-of-flight-type neutron spectrometer. H. Tojia, P. Timis, and C. Lazarovici. *Acad. rep. populare Romine, Inst. fiz. atomice si Inst. fiz., Studii cercetari fiz.* 10, 89-93 (1959); cf. *C.A.* 50, 12607e.—An illustrated description of the time-of-flight type neutron spectrometer, constructed at the Inst. of At. Phys. of the Acad. rep. populare Romine (operation started 1958). The installation contains a matrix-coincidence time analyser with 64 channels of continuous succession. Registration is performed with a mech. counter of great speed, released by a thyratron.
M. Lapidot

(11)

TIMKIN, N.I.

Anticorrosive heat-resistant coatings for steel ventilators. Khin.prem.
no.2:117 Mr '54. (MLRA 7:6)
(Faolite) (Fans, Electric)

Timkin N.I

USSR/Chemical Technology. Chemical Products and Their Application.
Mineral Salts. Oxides, Acids, Bases.

J-6

Abs Jour: Referat Zh.-Kh., No 8, 1957, 27427

Author : N.I. Timkin.

Inst :

Title : Improvement of Technology of Salt Crystallization

Orig Pub: Khim. prom-st', No 6, 368-389 -1956

Abstract: In order to intensify the production of hyposulfite (analytical reagent purity), the solution is purified preliminarily by the method of fractional crystallization with cooling from 115° to 45 - 50° in a special cooler-settler, after which it is crystallized in crystallizers with mechanical stirring. A similar method is applied to the production of Mg sulfate. In order to secure the high properties of the product, crystallizers with vinyl plastic lining are used. The effective cooling and agitation of the solution at crystallization is achieved by letting

Card : 1/2

-1-

USSR/Chemical Technology. Chemical Products and Their Application.
Mineral Salts. Oxides, Acids, Bases.

J-6

Abs Jour: Referat Zh.-Kh., No 8, 1957, 27427

air through the solution. The above measures raise the productivity of the installations, reduce the costs and improve the properties of the product.

Card : 2/2

-2-

1. Bondozhskiy khimicheskiy zavod
TIMKIN, N.I.

Film disk absorber. Khim.pron. no.5:308 JI-Ag '57. (MIRA 10:12)

1. Bondozhskiy khimicheskiy zavod.
(Absorption) (Sodium dithionate)

TIMKIN, V.N.

Determining the α -olefins in pyrolysis gasolines by multistage chromatography. Neftekhimiia 4 no.1:133-136 Ja-F'64
(MIRA 17:6)

1. Institut neftekhimicheskogo sinteza AN SSSR imeni A.V. Topchiyeva.

TIMKIN, V.N.; LAVROVSKIY, K.P.; BRODSKIY, A.M.; RUMYANTSEV, A.N.

Kinetics of the dimerization of the cyclopentadiene contained in gasoline distillates from the high-temperature pyrolysis of petroleum products. Neftekhimia 4 no.3:435-440 My-Je '64. (MIRA 18:2)

1. Institut neftekhimicheskogo sinteza AN SSSR im. A.V.Topchiyeva.

TOP SECRET: petroleum refining, petroleum refinery, petroleum refinery, petroleum refinery

D 51013-03

ACCESSION NR: AP5017012

SUBMITTED: 10Mar-64

ENCL: 0

DATE: 10Mar-64

NR REF SOV: 010

OTHER: 006

JPRS

ACCESSION NR: AP5019072

REF ID: A66/000/012/0101/0102
681.142

AUTHOR: Firmin, Yu. V.

8

TITLE: Operational amplifier. Class D, No. 10000

NOTE: Byulleten' izobretenij i izvencenij, No. 10, 1965, 101-102

TOPIC TAGS: operational amplifier

ABSTRACT: This Author Certificate presents an operational amplifier with pulse modulation of the input voltage. The amplifier is designed for signal modulation.

ASSOCIATION: none

CONTROL NO: 000000

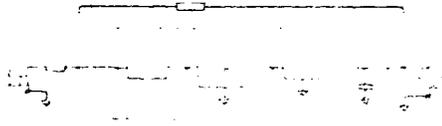
REF ID: A66

NO REF SOV: 000

OTHER: 000

Card 1/3

ACCESSION NUMBER



Card

TIMKINA, M.I.

Correlation of various analysors in bony fishes. *Zhur. vys. nerv.*
deiat. 15 no.5:927-933 S-0 '65. (MIRA 18:11)

1. Kafedra fiziologii vysshey nervnoy deyatel'nosti i laboratoriya
bioniki Moskovskogo gosudarstvennogo universiteta im. M.V. Lomonosova.

1. TIRKINA, V.V.
2. USSR (600)
4. Fish Culture - Ukraine
7. Achievements of fish breeders of the Ukraine, Ryb.khoz. 29 no. 4, 1953.

9. Monthly List of Russian Accessions, Library of Congress, APRIL 1953, Uncl.

1. PINKINA, V. V.
2. USSR (600)
4. Ukraine--Fish Culture
7. Achievements of fish breeders of the Ukraine, Ryb. khoz., 29, No. 4, 1953.

9. Monthly List of Russian Accessions, Library of Congress, April, 1953, Uncl.

TIMKO, A.

Gangrene of the leg caused by scarlet fever in a 7 1/2 year old
boy. Rozhl.chir. 29 no.4:126-130 '50. (CLML 19:2)

1. State Hospital in Levice, Surgical Department (Head--A.Timko, M.D.)

VOLKOVA, Z.A.; SMELYANSKIY, Z.B., prof., red.; TIMKO, A.M., red.

[Meteorological conditions in industry and prophylactic
measures] Meteorologicheskie usloviia na proizvodstve i
mery profilaktiki. Moskva, TSentr. in-t usovershenstvova-
niia vrachei, 1959. 23 p. (Lektsii po gigiene truda dlia
vrachei SES i nachal'nikov MSCh, no.6) (MIRA 17:4)

TIMKO, I.

Development and tests of food hygiene. p. 111.

ELELMISZESI IPAR. (Mezőgazdasági és Élelmiszeripari Tudományos Egyesület)
Budapest, Hungary, Vol. 13, No. 4, Apr. 1959.

Monthly list of East European Accessions (EEAI) LC, Vol. 8, No. 7, July 1959.
Uncla.

TIMKO, Ivan

Development and tasks of food hygiene. Elelm ipar 13 no.4:
111-113 Ap '59.

1. Elelmezesugyi Miniszterium.

TIMKO, Ivan, dr.

Hygienic propaganda in the food industry. Elelm ipar 13 no.8:
263-266 Ag '59.

1. Elelmezesugyi Miniszterium.

COUNTRY : HUNGARY H
CATEGORY : Chemical Technology. Chemical Products and
Their Applications. Food Industry
ABS. JOUR. : RZKhim., No. 23 1959, No. 23881
AUTHOR : Timko, I.
INST. : -
TITLE : Progress and Modern Problems of the Food
Products' Hygiene
ORIG. PUB. : Elekt. inar, 1959, 13, No 4, 111-113
ABSTRACT : No abstract.

CARD: 1/1

H - 108

TIMKO, I.M., dotsent (Moskva) 3

New methods in the advanced training of physicians. Sov. zdrav.
19 no.9:3-8 '60. (MIRA 13:11)

(MEDICINE—STUDY AND TEACHING)

TIMKO, I. M.

4814. TIMKO, I. M. Organizatsiya tsekhovoy uchastkovosti. m., medgiz, 1954. 40 s. 20 sm. (m-vo zdravookhraneniya sssr. tsentr. in-t usovershenstvovaniya vrachey. kafedra organizatsii zdravookhraneniya. lektsii po organizatsii zdravookhraneniya dlya vrachey. pod obshch. red. N. S. khmeleva i n. a. vinogradova. B-ka vracha-org-anizatora. organizatsiya med.-san. obsluzhivaniya rabochikh. lektsiya 2). 1.000 ekz. lr. - bibliogr. v kontse knigi. - (55-134) p 614.212 +(016.3)

SO: Knizhnaya Letopis', Vol. 1, 1955

TIMKO, I. M.

6975. TIMKO, I. M. Osnovnyye prints, py mediko — sanitarnogo obsluzhivaniya rabochikh promyshlennykh predpriyatiy. M. Medgiz, 1954. 39s. so skhem. 20 sm. (M-vo zdravookhraneniya SSSR. Tsentr. in-t unovershenstvovaniya vrachey. Kafedra organizatsii zdravookhraneniya. Lektsii po organizatii zdravookhraneniya dlya vrachey. Pod obshch. red. N. D. Khmeleva i N. A. Vinogradova. B-ka vracha-organizatora. Organizatsiya med.— san. ob-sluzhivaniya rabochikh prom. predpriyatiy. Lektsiya 2). 10.000 ekz., 95k. — Bibliogr. v kontse knigi. — 55-2182/p 614.212+016.37

Knizhnaya Letopis' No. 6, 1955

1. TIKO, I.M.
2. USSR (600)
4. Medicine - Study and Teaching
7. Specialized aid and training of physicians, Docent, Sov.zdrav. 12 no. 3, 1953.

9. Monthly List of Russian Accessions, Library of Congress, APRIL 1953, Uncl.

TIMKO, I.M.

[Practice of preventive medicine] Profilakticheskaia rabota vracha.
Moskva, Medgiz, 1954. 50 p. (MLRA 8:11)
(MEDICINE, PREVENTIVE)

TIMKO, I.M.

[Organization of the shop as a medical service unit] Organi-
zatsiia tsekhovoi uchastkovosti. Moskva, Medgiz, 1954 38 p.
(Medicine, Industrial) (MLRA 8:7)

ROSTOTSKIY, I.B., dotsent; TIMKO, I.M., dotsent

Correspondence education for public health organizers. Sov.zdrav.
16 no.4:28-33 Ap '57. (MIRA 10:8)

1. Iz kafedry organizatsii zdravookhraneniya TSentral'nogo instituta
usovershenstvovaniya vrachey (direktor - V.P.Lebedeva, zav. kafedroy -
prof. N.A.Vinogradov)
(PUBLIC HEALTH, education,
correspondence educ. of organizers (Rus))

TIMKO, I.M.

[Main principles of medical and public health service to workers
of industrial enterprises] Osnovnye printsipy mediko-sanitarnogo
obslyuzhivaniia rabochikh promyshlennykh predpriatii. Moskva,
1954. 36 p. (MLRA 8:6)

(Medicine) (Public health)

TIMKO, I. M.

USSR/Medicine - Literature

Card 1/2 : Pub 102-14/14

Author : Timko. I. M. (reviewer)

Title : ~~Review of the book~~ "Review of the book, "Methods of teaching a course in public health organization and medical education" by N. I. Shangin.

Periodical : Sov. zdrav., 6, 59-61, Nov-Dec 1954

Abstract : This textbook represents an important contribution to teaching the principles of development of Soviet health system in the 4-year schools for feldshers. The author attempts to bridge the gap between theory and practice, which is important in the training of feldshers who will be eventually assigned to independent duty after graduation. The poorest part of the book is its attempt to explain reorganization of sanitary-epidemic control service in the USSR without explaining what that service consists of. The reviewer states that defects pointed out by him must be eliminated in the subsequent editions of the textbook. "Metodika prepodavaniya

FD-1543

Card 2/2

kursa: Organizatsiya zdavookhraneniya i sanitarnogo prosveshcheniya",
published Moscow, 1954 by Medgiz.

Institution :

Submitted :

TIMKO, I.M.

"Methodology of conducting a course on "Organization of public health
and sanitary education." N.I.Shangin. Reviewed by I.M.Timko. Sov.
zdrav. 13 no.6:59-61 N-D '54. (MLRA 8:2)
(SHANGIN, N.I.)
(PUBLIC HEALTH--STUDY AND TEACHING)

TIMKO, Ivan, Dr.

Information work about nutritio. hygiene in the food industry.
Elelm ipar 13 no.8:263-266 Ag '59.

1. Elelmezesugyi Miniszterium.

1955, p. 11.

72A. Profilokhicheskoye razvedaniye. 1954. 11s. 11s. (1-10
zdravochraneniya. 3. 11. Tsentr. in-t uchebno-nauchnoy razvedki. Yednaya organizatsiya
zdravochraneniya. Iokhtailiya organizatsiya zdravoohraneniya. Ilyuziya. Ilyuziya. Ilyuziya.
obshch. raz. V. S. Kiselev i N. A. Vinogradov. E-izv. razved. ser. 11s. 11s.
Organizatsiya. Mol.-gan. otlichivaniya razvedchikov. Iokhtailiya (-4). 10.000 ekz. 1r.
30k.-(52-54871) p 612.8 + 616-057-011

88: Knizhnaya Letopis, Vol. 1, 1955

SAMOYLOV, M.A.; TIMKO, V.V.; GOLOVIN, B.V.

Universal truck loader. Trakt.i sel'khoz mash. 31 (MIRA 14:7)
no.8:41-42 Ag '61.
(Motortrucks)

1 / 1178 0, Yes.
AZOS, S.; AREF'YEV, A.; ARTAMONOV, I.; BABINA, I.; BEREGOVSKIY, V.; BLOZHKO, V.;
BRAVERMAN, A.; BYKHOVSKIY, Yu.; VINOGRADOVA, M.; GALANKINA, Ye.;
GIL'DENGERSH, F.; GLOBA, T.; GREYVER, N.; GORDON, G.; GUL'DIN, I.;
GULYAYEVA, Ye.; GUSHCHINA, I.; DAVYDOVSKAYA, Ye.; DAMSKAYA, G.;
DERKACHEV, D.; YEVDOKIMOVA, A.; YEGUNOV, V.; ZABELYSHINSKIY, I.;
ZAYDENBERG, B.; AZMOSHNIKOV, I.; ITKINA, S.; KARCHEVSKIY, V.;
KLUSHIN, D.; KUVINOV, Ye.; KUZNETSOVA, G.; KURSHAKOV, I.;
LAKERNIK, M.; LEYZKEROVICH, G.; LISOVSKIY, D.; LOSKUTOV, F.;
MAL'KOVSKIY, Yu.; MASLYANITSKIY, I.; MAYANTS, A.; MILLER, L.;
MITROFANOV, S.; MIKHAYLOV, A.; MYAKINENKOV, I.; NIKITINA, I.;
NOVIN, R.; OGNEV, D.; OL'KHOV, N.; OSIPOVA, T.; OSTRONOV, M.;
PAKHOMOVA, G.; PETKER, S.; PLAKSIN, I.; PLETENEVA, N.; POPOV, V.;
PRESS, Yu.; PROKOF'YEVA, Ye.; PUCHKOV, S.; REZKOVA, F.; RUMYANTSEV, M.;
SAKHAROV, I.; SOBOL', S.; SPIVAKOV, Ya.; STRIGIN, I.; SPIRIDONOVA, V.;
TIMKO, Ya.; TITOV, S.; TROITSKIY, A.; TOLOKONNIKOV, K.; TROFIKOVA, A.;
FEDOROV, V.; CHIZHIKOV, D.; SHEYN, Ya.; YUKHTANOV, D.

Roman Lazarevich Veller; an obituary. TSvet. met. 31 no.5:78-79
My '58.

(MIRA 11:6)
(Veller, Roman Lazarevich, 1897-1958)

MAL'KO, I.I., inzh.; TIMKOV, N.V., inzh.

Making 461 M of drift in one month. Shakht. stroi. 8 no.2:
21-22 F '64. (MIRA 17:3)

1. Kiselevskoye shakhtestroyupravleniye.

1. Mechanism of formation of gels in acid-base denaturation
BULANKIN, I.M.; NAGORNA, N.A.; PARINA, M.V.; TIMKOVITS'KA, A.M.

Mechanism of formation of gels in acid-base denaturation.
Ukr.biokhim.zhur. 27 no.3:267-276 1955. (MLRA 8:12)

1. Kafedra biokhimi Khar'kovs'kogo derzhavnogo universiteta
im. A.M.Gor'kogo
(ACID BASE EQUILIBRIUM,
form. of jell in acid-base denaturation)

TIMKOVSKAYA, Yu. V.

Epidemiology and Microbiology Branch, Dnepropetrovsk, Sanitation-Bacteriological Inst.,
(-1944-)

"Experiment with sterilization of nutritive media of USV,"

Zhur. Mikrobiol., Epidemiol., i Immunobiol., No. 6, 1944.

107 ...

... ..

Spectral investigation of high-frequency discharge in acetylene-air flame. V. S. Rossichin and V. P. Timkovski (*Bull. Acad. Sci. U.R.S.S., Sér. Phys.*, 1941, 5, 219—221).—The combustion of a mixture of C_2H_2 25 and air 75% is accelerated by electric vibrations of frequency $>3.4 \times 10^8$ cycles per sec. The emission spectrum of the flame in a field of 3.5×10^8 cycles contains, in addition to the usual bands, N_2 bands, more CN bands, and Zn lines (from brass electrodes). In a field of 3.7×10^8 cycles N_2 and N_2^+ bands appear, and the intensity of CH bands (3900 Å.) and CN bands (3883 and 3871 Å.) rises; this is associated with the acceleration of combustion.
J. J. B.

1ST AND 2ND GROUPS 3RD AND 4TH GROUPS

PROCESSES AND PROPERTIES INDEX

ca

Effect of high-frequency electric fields on the combustion of gas mixtures. V. P. Timkovskii. *J. Exptl. Theoret. Phys. (U. S. S. R.)* 9: 62-6(1970); cf. *Ibid.* 5: 707(1935) and *C. A.* 29, 983. -- With mixts. of C₂H₂ air = 1:3, a high-frequency field of 6×10^9 hertz is only half as effective as a const. field in accelerating the rate of flame propagation; a $1.5-1.6 \times 10^9$ hertz field has no effect, whereas from 1.9 to 3.4×10^9 hertz, the rate of flame propagation slowly increases by about 20%. These results support Frank's theory as to the role of electrons and ions in the flame front; the exptl. found values agree qualitatively with those calcd. from the electron and ion velocities. P. H. Rathmann

7

COMMON ELEMENTS

ASS-SLA METALLURGICAL LITERATURE CLASSIFICATION

1ST AND 2ND GROUPS 3RD AND 4TH GROUPS

GROUPS 1ST AND 2ND GROUPS 3RD AND 4TH GROUPS

PROCESSES AND PROPERTIES

2

ca

The influence of ultra short waves on the speed of combustion of gas mixtures. V. S. Kozmikhin and V. P. Mikhaylikh. *Fizika Z. Svyaznaya* 8, 1004 (1915). - Wave fronts of mixts. of 25% C₂H₆ and 75% air were accelerated 1.5-2 times by waves of frequency 8×10^7 . The effect was less at 8×10^6 and disappeared at 1.5×10^8 . At a frequency of 1.0×10^7 , acceleration set in and at 3.4×10^7 amounted to 20%. The effect is attributed to activation and deactivation of mois. in the same front. The mechanism is to be investigated.

R. E. DeRicht

METALLURGICAL LITERATURE CLASSIFICATION

MATERIAL INDEX

REGIONAL INDEX

BRESLER, S.Ye.; BRABKINA, L.Ye.; MOSEVITSKIY, M.I.; TIMKOVSKIY, A.I.

Molecular state of DNA of the T-2 bacteriophage in the process
of its intracellular development. Dokl. AN SSSR 156 no. 4:947-950
Je '64. (MIRA 17:6)

1. Institut vysokomolekulyarnykh soyedineniy AN SSSR. Predstavleno
akademikom V.A.Engel'gardtom.

BRESLER, S.Ye.; MOSEVITSKIY, M.I.; TIMKOVSKIY, A.L.

Irregular penetration of DNA into the cells during bacterial transformation. Dokl.AN SSSR 149 no.3:721-724 Mr '63.
(MIRA 1/8:4)

1. Predstavleno akademikom A.N.Belozerskim.
(Nucleic acid metabolism) (Bacteria)

TIMKOVSKIY, I. (Dnepropetrovsk)

Place the designing of trade organizations in the same hands.
Sov. torg. '36 no.5:38 My '63. (MIRA 16:5)

1. Glavnyy inzhener Dnepropetrovskogo filiala Ukgiprotorga.
(Ukraine—Stores, Retail)

SA

A 54

B

3725. Influence of H.F. Electric Field on Combustion of Gas Mixtures. Y. Timkovsky. *J. of Exp. and Theor. Physics, U.S.S.R.* 9. 1. pp. 92-93. 1939. *In Russian.* - The results of previous experiments by the author on the influence of very short electric waves on the speed of combustion of an acetylene-air mixture are discussed, and Thomson's hypothesis of the important rôle played by electrons in the flame is confirmed in several respects.

D. S.

ASW 51A DETALLEPICAL LITERATURE CLASSIFICATION

TIMKOWSKI, W. P.

36

4319. Influence of Ultra-Short Waves upon the Velocity of Combustion of Gaseous Mixtures. W. S. Rosenthal and W. P. Timkowsky. *Phys. Zeits. d. Sowjetunion*, 8, 1, pp. 100-104, 1935. In German.—The influence of a h.f. electric field on the velocity of combustion of a gaseous mixture composed of 25% acetylene and 75% of air is now investigated. It is found that at $6 \cdot 10^5 \sim$ the velocity of flame propagation is 1.5–2 times that of a constant field. Further frequency increase to $8 \cdot 10^6 \sim$ indicated the influence to become appreciably smaller. The effect of the field practically disappears at frequencies of the order of $(1 \cdot 6 - 1 \cdot 6) \cdot 10^7 \sim$. From $1 \cdot 6 \times 10^7 \sim$ the reversed effect is observed, i.e., no velocity decrease, but an acceleration of combustion of the gaseous mixture, which in the e.h.f. field of $3 \cdot 4 \times 10^7 \sim$ increases by 20%. Based on the latter observations it appears that the ultra-short waves produce activation of the gas mixture at the flame front. (See also Abstracts 2107 and 4248 (1934).)

H. H. Ho.

15015

SERGIYENKO, Ye.F.; TIMKOVITSKAYA, A.M.

Quantitative and qualitative changes in structural proteins
induced by the age of the animal and its feeding conditions.
Uch.zap. KHGU 53:81-86 '54. (MIRA 11:11)

1. Otdel obshchey fiziologii nauchno-issledovatel'skogo instituta
biologii Khar'kovskogo gosudarstvennogo universiteta imeni A.M.
Gor'kogo.

(PROTEINS) (BRAIN) (LIVER)

PROCESSIBLE AND REPROFITABLE

A 53

4319. Influence of Ultra-Short Waves upon the Velocity of Combustion of Gaseous Mixtures. W. S. Rossichin and W. P. Tlmkowsky. *Phys. Zeits. d. Sowjetunion*, 8, 1, pp. 100-104, 1935. In German.—The influence of a h.f. electric field on the velocity of combustion of a gaseous mixture composed of 25 % acetylene and 75 % of air is now investigated. It is found that at $6 \cdot 10^6 \sim$ the velocity of flame propagation is 1.5 - 3 times that of a constant field. Further frequency increase to $8 \cdot 10^6 \sim$ indicated the influence to become appreciably smaller. The effect of the field practically disappears at frequencies of the order of $(1.5 - 1.6) 10^7 \sim$. From $1.9 \times 10^7 \sim$ the reversed effect is observed, i.e., no velocity decrease, but an acceleration of combustion of the gaseous mixture, which in the e.h.f. field of $3.4 \times 10^7 \sim$ increases by 30 %. Based on the latter observations it appears that the ultra-short waves produce activation of the gas mixture at the flame front. [See also Abstracts 2107 and 4248 (1934).] H. H. Ho.

AS 514 METALLURGICAL LITERATURE CLASSIFICATION

11041 802104

111111 Oct 094 151

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

S/121/60/000/G12/011/015
A004/A001

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TITLE: Device for the Control of Deep Holes in Internal Grinding
PERIODICAL: Stanki i Instrument, 1960, No. 12, pp. 26-28

TEXT: The authors describe a device for automatic control of deep holes 270 - 290 mm in diameter and up to 1,400 mm deep during grinding in cylinder-type parts. The device is to be fitted to the model XШ-83 (KhSh-83) internal grinding machine and consists of split collar-type clamp 2, fastened on the spindle of the grinding stock, a rocket joined with the clamp, pneumatic cylinder 3, damping spring 4 and interchangeable measuring heads 1. The main unit of the device is the three-contact head for measuring the hole diameter. The device is equipped with four interchangeable measuring heads, each of which fitted with a ДИ-15 (DI-15) induction pickup. The measuring heads are set beforehand on the fixed diameter of the hole being checked with the aid of two gaging rings, which determine the graduation and setting of the device. The measuring heads differ from each other only by their measuring end pieces, the length of which is determined as the difference in radius between the hole being measured and the standard

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Figure 1:

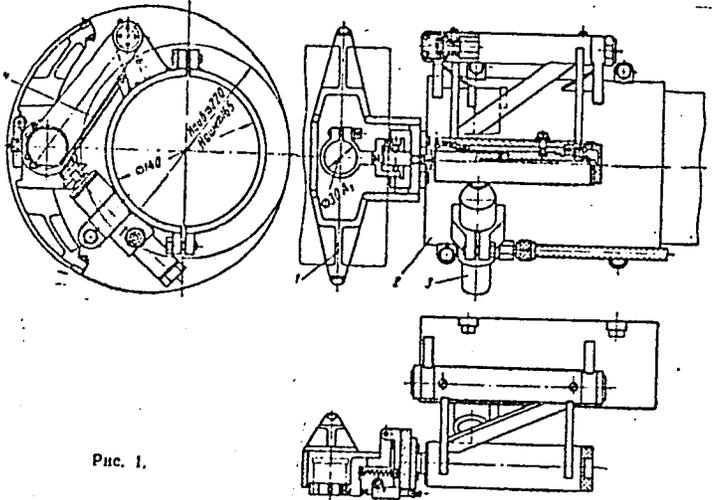


Рис. 1.

Figure 2:

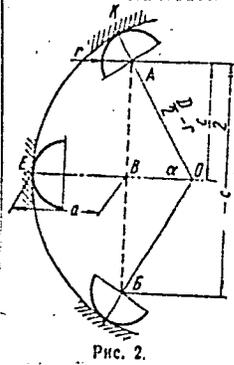


Рис. 2.

magnitude. The electric ПИ-8М (PI-8M) panel and induction pickups are used as meters. They are identical as to their sensitivity, which makes it possible to inter-

change them during operation. The diameter of the hole is determined from the equation

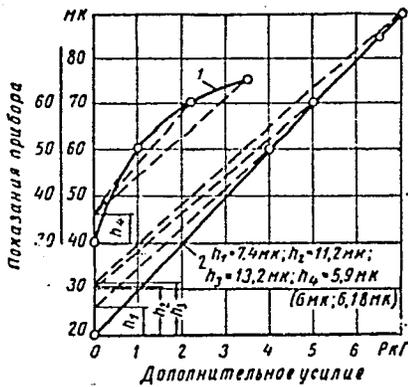
$$D = \frac{2(a - r \cos \alpha)}{1 - \cos \alpha}, \text{ where}$$

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$\alpha = \frac{D}{2r} (1 - \cos \alpha) + r \cos \alpha$. Figure 2 shows the measuring principle of the device. In order to damp the impact loads on the measuring head a damping spring was fitted. When testing the device to determine the reading stability in dependence

Figure 5:



on the magnitude of applied stress it was found that, after the load had been removed, the readings vary relative to the initial setting. Figure 5 shows two graphs characterizing the readings of the device depending on the load applied for steel heads of increased rigidity; 1 = initial setting on the dimension +30 μ, 2 = the same for the dimension +20 μ. During the tests it was found that if, under static conditions, a damping spring exists between the pneumatic cylinder rod and the measuring head of the device, the reading stability is practically warranted during forward and reverse displacement of the spindle by 3 mm. Tests without damping spring proved that under static conditions a reading stability practically does not exist owing to the

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load effect from the action of the pneumatic cylinder when the measuring head approaches the component. Under dynamic conditions (when the component revolves) the reading stability of the device is fully satisfactory and amounts to $3-4\mu$. The total error of this measuring method amounts to $\Delta_{total} = 38.4\mu$, which makes it possible to use the device for the checking of holes of the 3rd class of accuracy. There are 8 figures.

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DEDYANIN, P.A.; HYBAKEVICH, E.I.; ~~TIMM, A.A.~~

Device for checking deep holes during grinding. Stan.i instr. 31
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(Electric instruments)